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EAST

- L1: (1053) (polypropylene adj glycol) same additive
- L2: (930) aqueous adj polyurethane adj dispersion
- L3: (27514) polydimethylsiloxane
- L4: (42) L2 and L3
- L5: (1) L4 and 11
- L6: (29935) polyglycol
- L7: (141) 11 and 16
- L8: (73) (polypropylene adj glycol) near3 additive
- L9: (0) 12 and 18
- L10: (3) 12 and 11

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Each of coatings A through G were formulated in two related formulations, a base coat (A-1 through G-1) and a respective pearl overcoat (A-2 through G-2) for performance testing.

(36) COATING EXAMPLE A-1 (COMPARATIVE)

(37) For comparison purposes, a pigmented base coat composition was made as follows, using a commercially available aqueous acrylic resin (RHOPLEX.RTM. WL-96) instead of the polyurethane/acrylic dispersion of the present invention.

(3)

Ingredients	Parts by Weight
RHOPLEX.RTM. WL-96.sup.1	192.44
BENTONE.RTM. EW.sup.2 (1.9% by wt. aqueous dispersion)	25.44
Butyl CELLOSOLVE.RTM. sup.3 4.74	Polypropylene glycol 4.74
9.49 NOPCO DSX.RTM. 1550.sup.5 (10% by wt. aqueous solution)	Butyl benzylphthalate 13.98 SURFYNOL
RTM. 104DPM.sup.6 2.20	Waterborne acrylic black tint.sup.7 7.60 Waterborne
acrylic blue tint.sup.8 76.87	.sup.1
Aqueous acrylic emulsion from Rohm and Haas Company, Philadelphia, Pennsylvania. .sup.2 Organo clay rheological additive from Rheox, Inc., Hightstown, New Jersey. .sup.3 Ethylene glycol monobutyl ether solvent from Union Carbide Chemicals and Plastics Company, Inc., Danbury, Connecticut. .sup.4 Molecular weight approximately 425, from Arco Chemicals. .sup.5 Urethane associative thickener from Henkel Corporation, Kankakee, Illinois. .sup.6 Surfactant from Air Products and Chemicals, Inc., Allentown, Pennsylvania. .sup.7 A dispersion of carbon black pigment in an aqueous acrylic vehicle. .sup.8 A dispersion of phthalo blue pigment in an aqueous	

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	U	I	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieval C	Inventor	S	C	P	3D
1	<input type="checkbox"/>	<input type="checkbox"/>	US 20050107564	20050519	15	Aqueous polyurethane dispersion and method for	528/44			Klingenber, Eric Howard et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	<input type="checkbox"/>	<input type="checkbox"/>	US 6087444 A	20000711	10	Humidity resistant aqueous urethane resins based on	525/123	523/404; 523/406;		Swarup; Shanti et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5607665 A	19970304	4	Nail enamel compositions containing silicone glycol	424/61	106/3		Calello; Joseph F. et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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